

What Is Claimed Is:

1 1. A system for providing a client with access to remote graphics
2 rendering resources, comprising:

3 a remote rendering control system that receives graphics
4 instructions, generates modified graphics instructions on the basis of said graphics
5 instructions, and outputs said modified graphics instructions to said graphics
6 rendering resources.

1 2. The system of claim 1, wherein said remote rendering control
2 system comprises a transparent interface to said graphics application, and wherein
3 said transparent interface supports initialization of a graphics rendering session and
4 accommodates client parameters during said graphics rendering session.

1 3. The system of claim 1, wherein said remote rendering control
2 system comprises a data compression module that compresses said image data
3 prior to sending said image data to said client.

1 4. The system of claim 1, wherein said remote rendering control
2 system receives image data generated by said graphics rendering resources on the
3 basis of said modified graphics instructions, and sends said image data to said
4 client.

1 5. The system of claim 1, wherein said remote rendering control
2 system receives graphics instructions from a graphics application program.

1 6. A method of remote graphics rendering on behalf of a client,
2 comprising the steps of:

3 (A) initializing a graphics rendering session;

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- 8 (v) associating the client display with the graphics application;
9 (vi) overlaying the server visual list with a transparent interface
10 routine;
11 (vii) enabling the return of a client window to the graphics
12 application;
13 (viii) enabling the return of an internal context to the graphics
14 application; and
15 (ix) binding a server context to the server window.

1 11. The method of claim 10, wherein step (vii) comprises the steps of:
2 (a) converting the merged visual list into a visual
3 appropriate for the client;
4 (b) defining the client window;
5 (c) creating an internal data structure for tracking the
6 displayed location of the client window; and
7 (d) returning the client window to the graphics
8 application.

1 12. The method of claim 10, wherein step (viii) comprises the steps of:
2 (e) converting the merged visual list into a visual
3 appropriate for the server;
4 (f) creating a server context; and
5 (g) returning an internal context to the application.

1 13. The method of claim 10, wherein step (ix) comprises the steps of:
2 (h) extracting a server context from the internal
3 context;
4 (i) requesting a window allocation from a session
5 manager; and
6 (j) associating the server context with a server window.

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